

## SECTION 02511 - HOT-MIX ASPHALT PAVING

## A. SUMMARY

1. Hot-mix asphalt paving, consisting of a base course and a surface course.
  - a. Proof-roll subbase and correct unstable or inadequately compacted areas.
  - b. Base Course: **[4 inches (100 mm) thick] [5 inches (125 mm) thick] [6 inches (150 mm) thick] [Comply with state DOT requirements]**.
  - c. Surface Course: **[1-1/2 inches (38 mm thick)] [2 inches (50 mm) thick] [Comply with state DOT requirements]**.
2. Hot-mix asphalt patching and repairing of existing asphalt.
3. Hot-mix asphalt overlay over existing asphalt pavement.
  - a. Remove existing asphalt pavement to grades indicated.
  - b. Surface Course: **[2 inches (50 mm) thick] [3 inches (75 mm) thick] [Comply with state DOT requirements]**.
4. Asphalt surface treatment, including **[fog seal] [slurry coat]**.
5. Pavement-marking paint.
6. Hot-mix asphalt curbs.
7. Precast concrete wheel stops with steel dowel anchors.
8. Applications: **[Roads] [Parking areas] [Driveways] [Walkways]**.

## B. MATERIALS

1. Asphalt Materials:
  - a. Asphalt Cement: **[Viscosity-graded material] [Penetration-graded material]**.
  - b. Undersealing Asphalt: ASTM D 3141.
  - c. Prime Coat: **[Medium-curing cutback asphalt] [Comply with state DOT requirements] [Emulsified asphalt or cationic emulsified asphalt]**.
  - d. Tack Coat: Emulsified asphalt or cationic emulsified asphalt.
  - e. Fog Seal: Emulsified asphalt or cationic emulsified asphalt.
  - f. Slurry Coat: Emulsified asphalt, fine aggregate, mineral filler (if needed).
2. Auxiliary Materials:
  - a. Herbicide.
  - b. Paving Geotextile: Nonwoven polypropylene.
  - c. Pavement-Marking Paint: **[Alkyd resin] [Latex, water-base emulsion]**.
  - d. Glass Beads: AASHTO M-247.

C. FIELD QUALITY CONTROL

1. Testing Agency: Contractor employed.

END OF SECTION 02511